

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A fiber, wherein said fiber ~~comprises at least one~~ consists of a mesoporous molecular sieve, and wherein the mesoporous molecular sieve consists of an organosilane, a surfactant, an acid, ~~and~~ an alcohol ~~and water~~.

2-3. (Cancelled).

4. (Previously Presented) The fiber of claim 1, wherein the organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyltrimethylchlorosilane and trimethylchlorosilane.

5. (Previously Presented) The fiber of claim 1, wherein said fiber has a diameter ranging from about 10 nanometers up to about 1,000 nanometers.

6. (Currently Amended) A network of fibers wherein, said network ~~comprises~~ is made up of fibers ~~comprising at least one~~ said fibers ~~consisting of~~ a mesoporous molecular sieve wherein, said fibers are produced by electrospinning, and wherein the mesoporous molecular sieve consists of an organosilane, a surfactant, an acid, ~~and~~ an alcohol ~~and water~~.

7-8. (Cancelled).

9. (Previously Presented) The fibers of claim 6, wherein the organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyltrimethylchlorosilane and trimethylchlorosilane.

10-30. (Cancelled)

31. (Currently Amended) A method of making a network of fibers comprising:  
electrospinning a fiberizable mixture to form a network of fibers, wherein said mixture ~~comprises at least one~~ contains a mesoporous molecular sieve, ~~and~~ wherein the mesoporous molecular sieve consists of an organosilane, a surfactant, an acid, ~~and~~ an alcohol ~~and water~~.

32-33. (Cancelled)

34. (Previously Presented) The method of claim 31, wherein the organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchlorosilane and trimethylchlorosilane.

35. (Previously Presented) The fiber of claim 1 wherein the acid is hydrochloric acid or acetic acid.
36. (Previously Presented) The fiber of claim 1 wherein the alcohol is ethanol or propanol.
37. (Canceled)